

## VOLTAGE SUPPLY DISTRIBUTION ARCHITECTURE FOR A PLURALITY OF MEMORY MODULES

### Abstract of the Disclosure

An architecture for distributing supply voltages to a plurality of memory modules supplied through a plurality of charge pump circuits may include a sorting block bi-directionally connected to the plurality of memory modules, from which it may receive a plurality of power requests. The sorting block may provide a sorting signal based upon a priority scale to drive the plurality of charge pump circuits and distribute supply voltages to the plurality of memory modules. The architecture may advantageously be software-configurable.